6. Schematic Diagrams

6-1 Power ---------- 6-2

6-2 AV-Decoder/Main-Micom ---------- 6-3

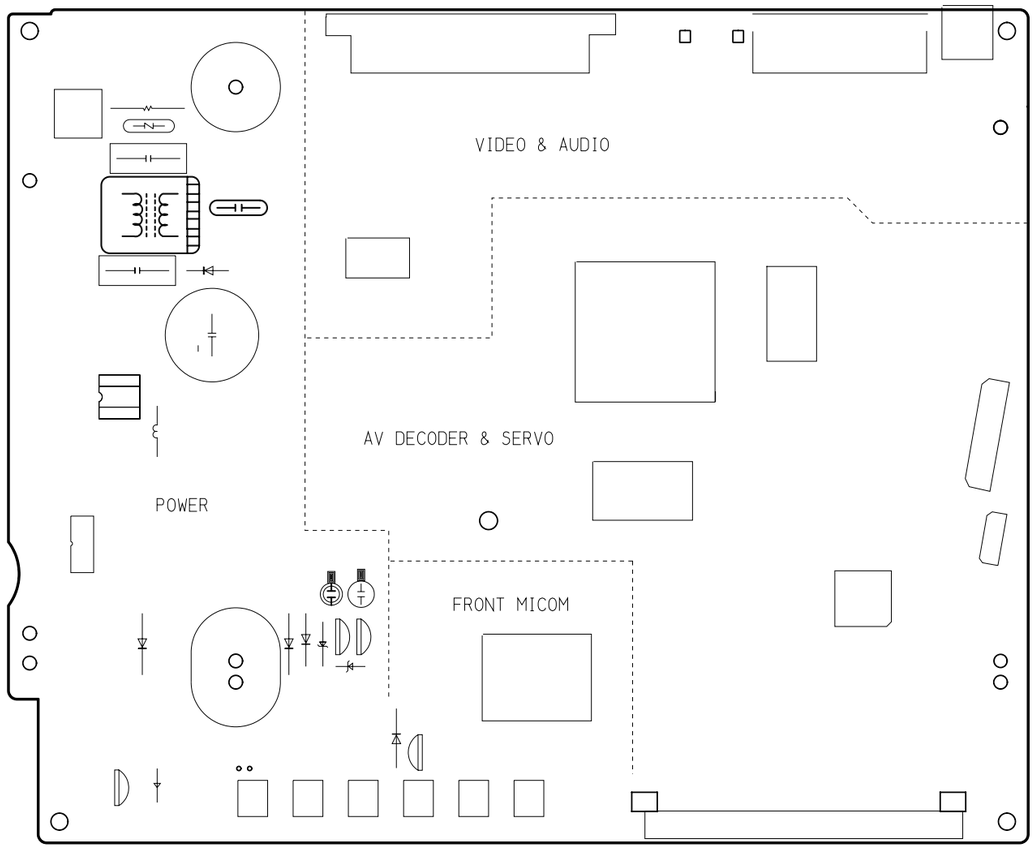
6-3 Servo ---------- 6-4

6-4 Video ---------- 6-5

6-5 Audio ---------- 6-6

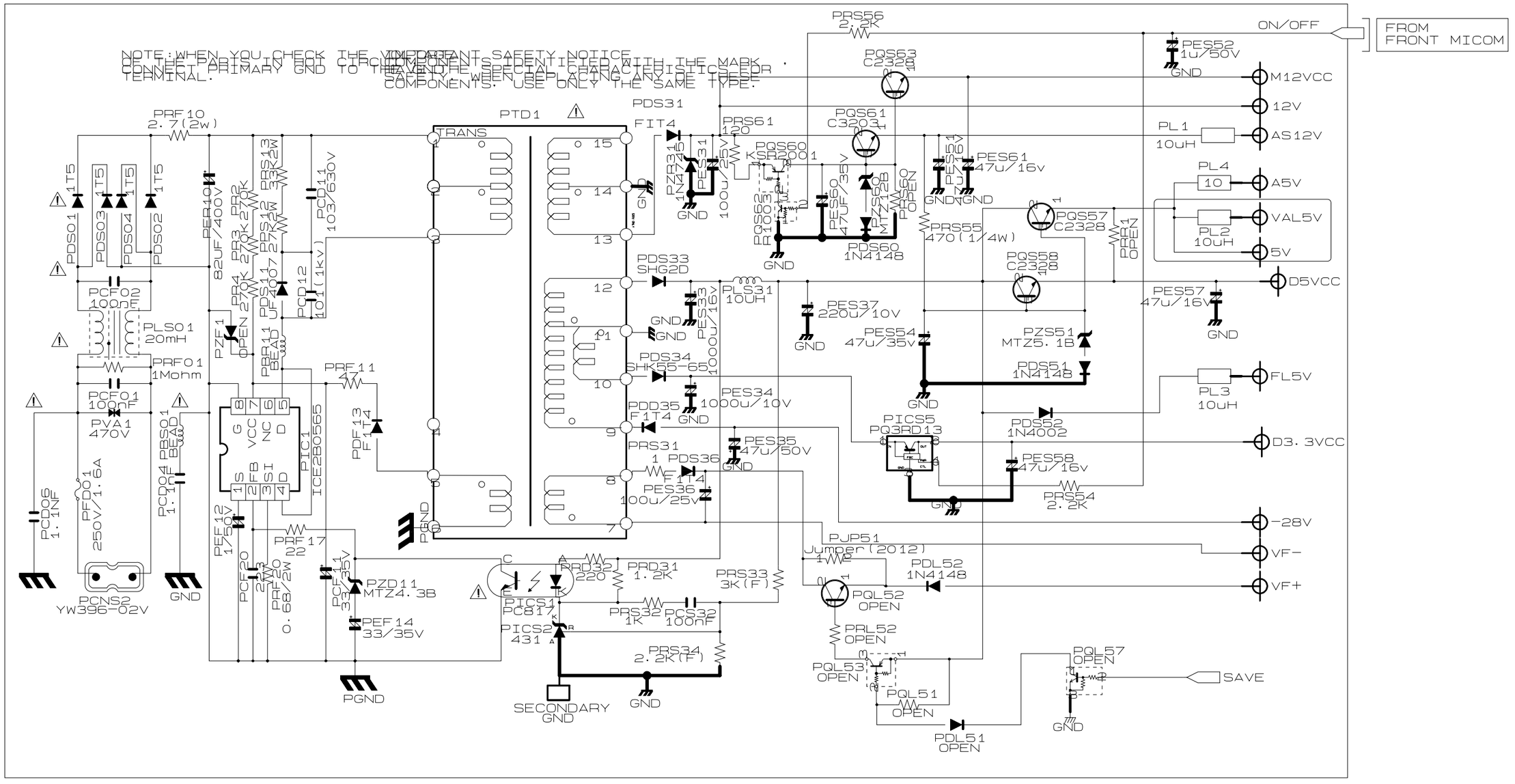
6-6 Front-Micom ---------- 6-7

Block Identification of PCB

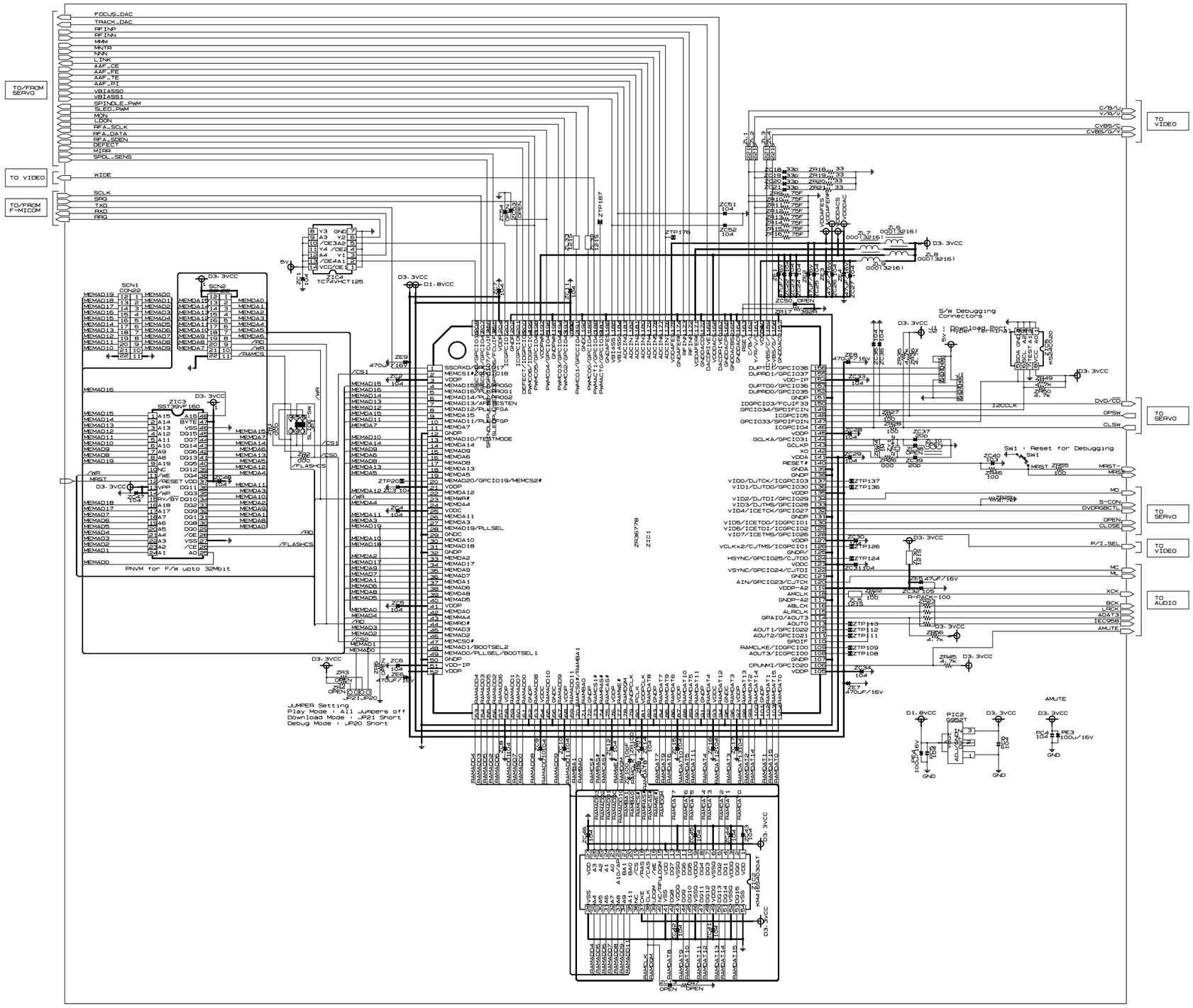


Main PCB (Component Side)

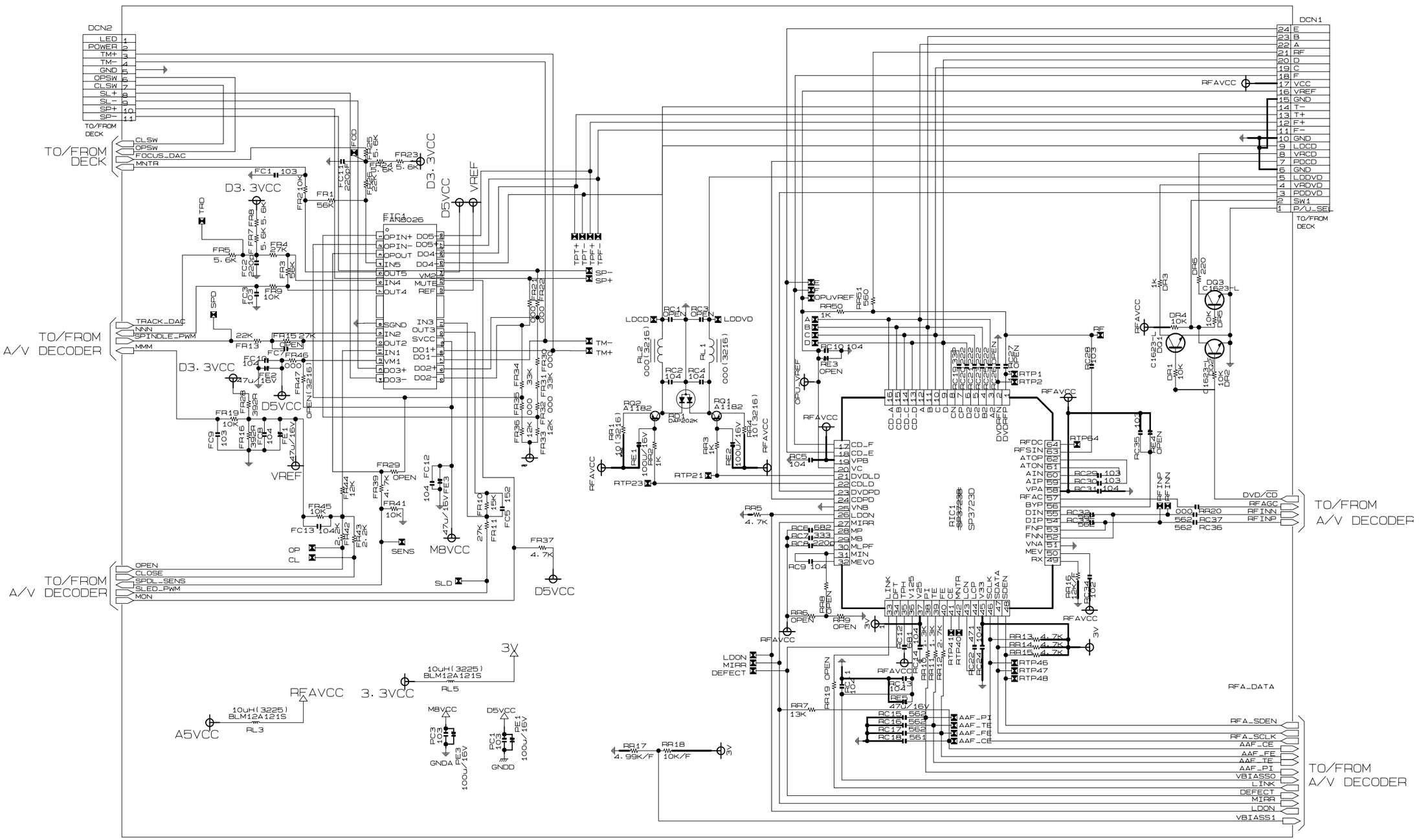
6-1 Power


NOTE:WHEN YOU CHECK THE VOLTAGE OF THE PARTS IN HOT CIRCUIT, CONNECT PRIMARY GND TO THE HOT GND TERMINAL.
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.
PTD1
TRANS
PRF10 2.7(2W)
PDS01 1T5
PDS03 1T5
PDS04 1T5
PDS02 1T5
PER10 82UF/400V
PR4 270K
PR3 270K
PR2 270K
PRS13 33K2W
PRS12 27K2W
PDS11 UF4007
PCD11 103/630V
PCD12 101(1KV)
PCF02 100nF
PLS01 20mH
PZF1 OPEN
PBR11 BEAD
PRF01 1Mohm
PCF01 100nF
PVA1 470V
PFD01 250V/1.6A
PCD06 1.1NF
PCD04 1.1NF
PBS01 BEAD
PCNS2 YW396-02V
GND
PRF11 47
PDF13 F1T4
PIC1 ICE2B0565
PEF12 1/50V
PRF16 2.2
PCF20 2.2/275V
PRF15 0.68/2W
PCF21 3.3/275V
PZD11 MTZ4.3B
PEF14 33/35V
PGND
PDS31 FIT4
PZR31 1N4745
PES31 100U/25V
PRS61 120
PQS60 KSR2001
PQS62 R1015
PES60 47UF/35V
PZS60 MTZ12B
PRS60 OPEN
PDS60 1N4148
PDS33 SHG2D
PLS31 10UH
PES33 1000U/16V
PDS34 SHK55-65
PES34 1000U/10V
PDD35 F1T4
PRS31 1
PDS36 F1T4
PES36 100U/25V
PES35 47U/50V
PRD32 220
PRD31 1.2K
PICS1 PC817
PRS32 1K
PCS32 100nF
PICS2 431
PRS34 2.2K(F)
SECONDARY GND
PRS33 3K(F)
PRS56 2.2K
PQS63 C2320
PQS61 C3203
PRS55 470(1/4W)
PQS57 C2328
PQS58 C2328
PRR1 OPEN
PES61 47U/16V
PES51 1U/50V
PES37 220U/10V
PES54 47U/35V
PZS51 MTZ5.1B
PDS51 1N4148
PDS52 1N4002
PICS5 PQ3RD13
PES58 47U/16V
PRS54 2.2K
PJP51 Jumper(2012)
PDL52 1N4148
PQL52 OPEN
PRL52 OPEN
PQL53 OPEN
PQL51 OPEN
PDL51 OPEN
PQL57 OPEN
ON/OFF
FROM FRONT MICOM
PES52 1U/50V
M12VCC
12V
PL1 10uH
AS12V
PL4 10
A5V
VAL5V
PL2 10uH
5V
D5VCC
PES57 47U/16V
FL5V
PL3 10uH
D3.3VCC
-28V
VF-
VF+
SAVE

6-2 AV-Decoder/Main-Micom



6-3 Servo



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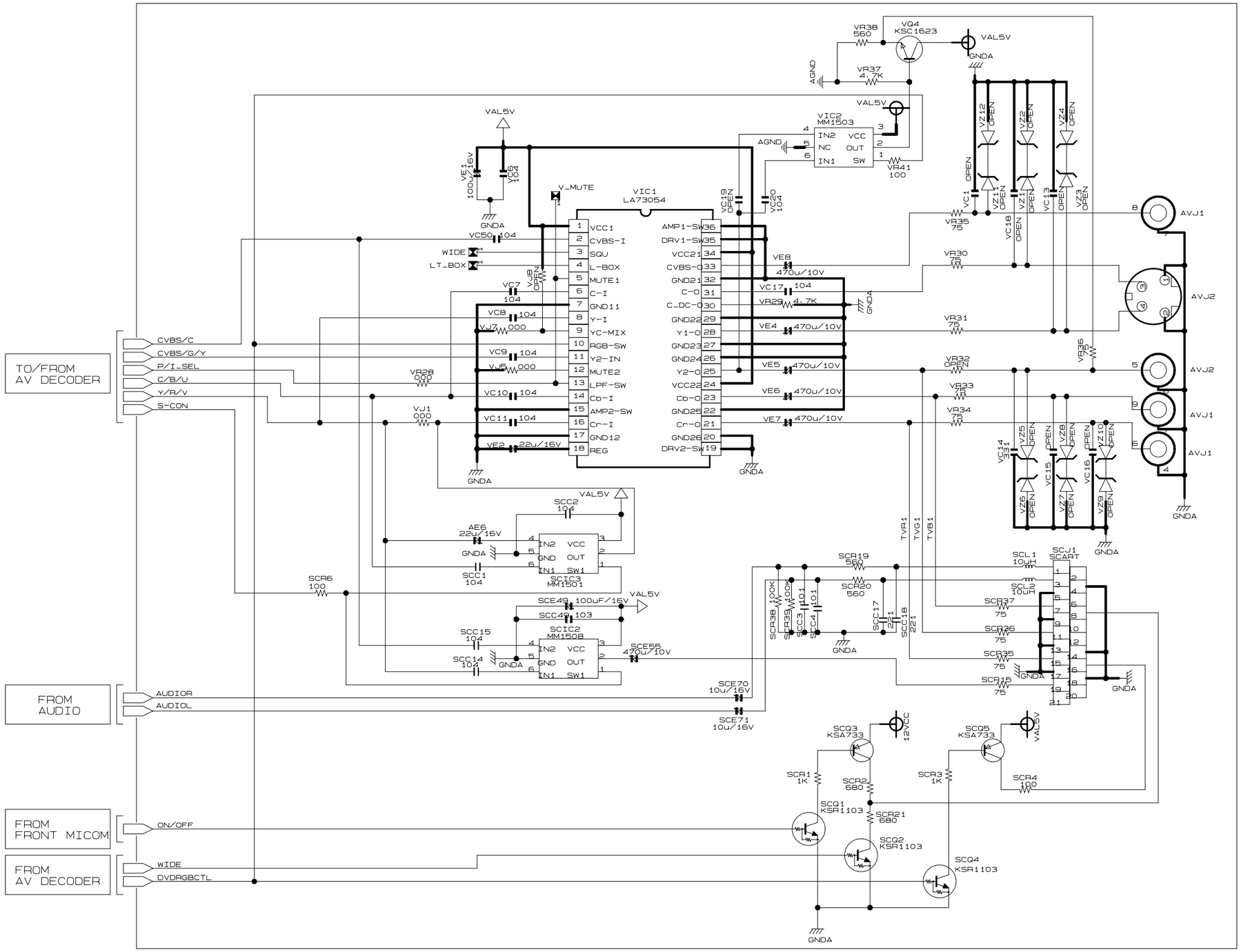
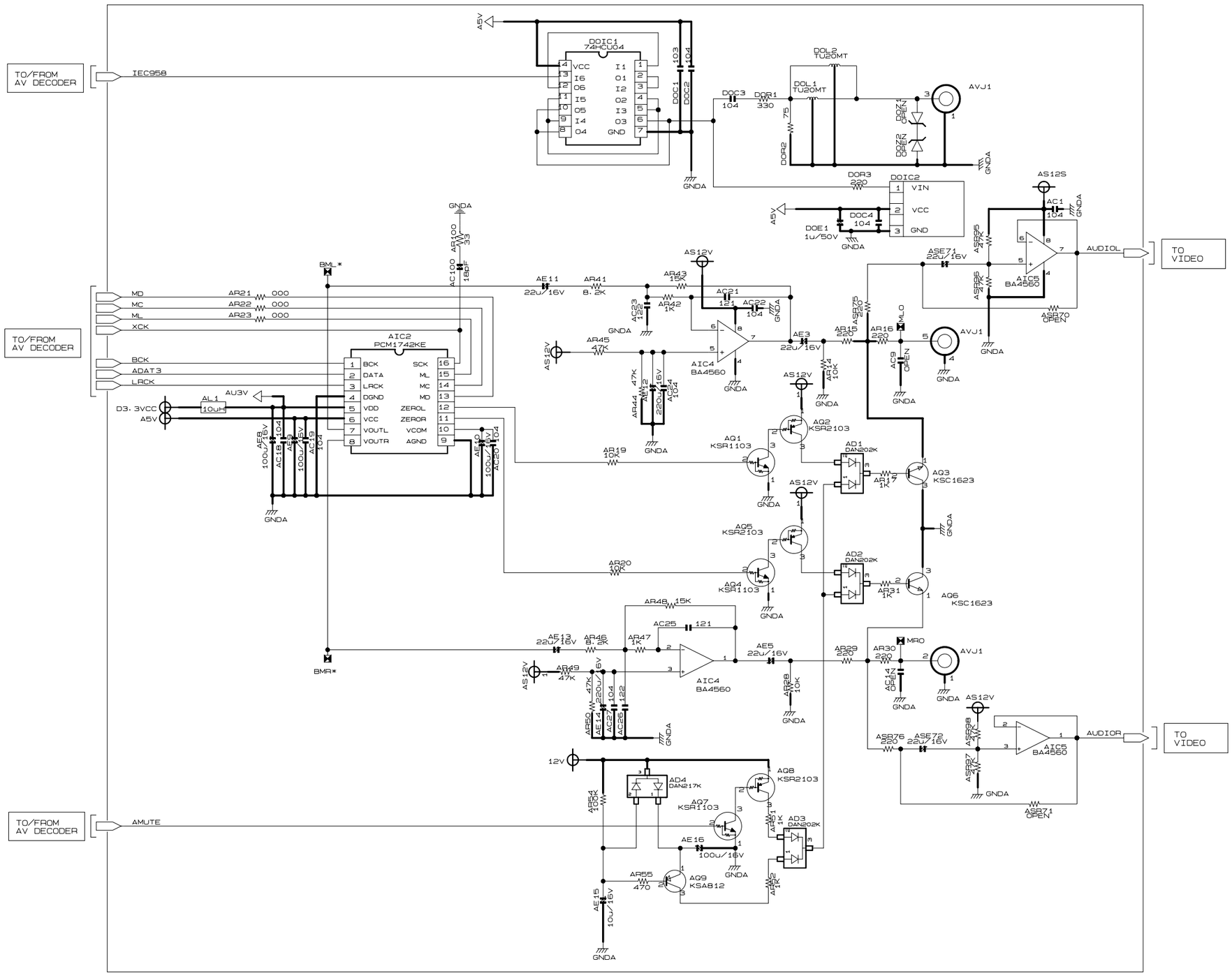
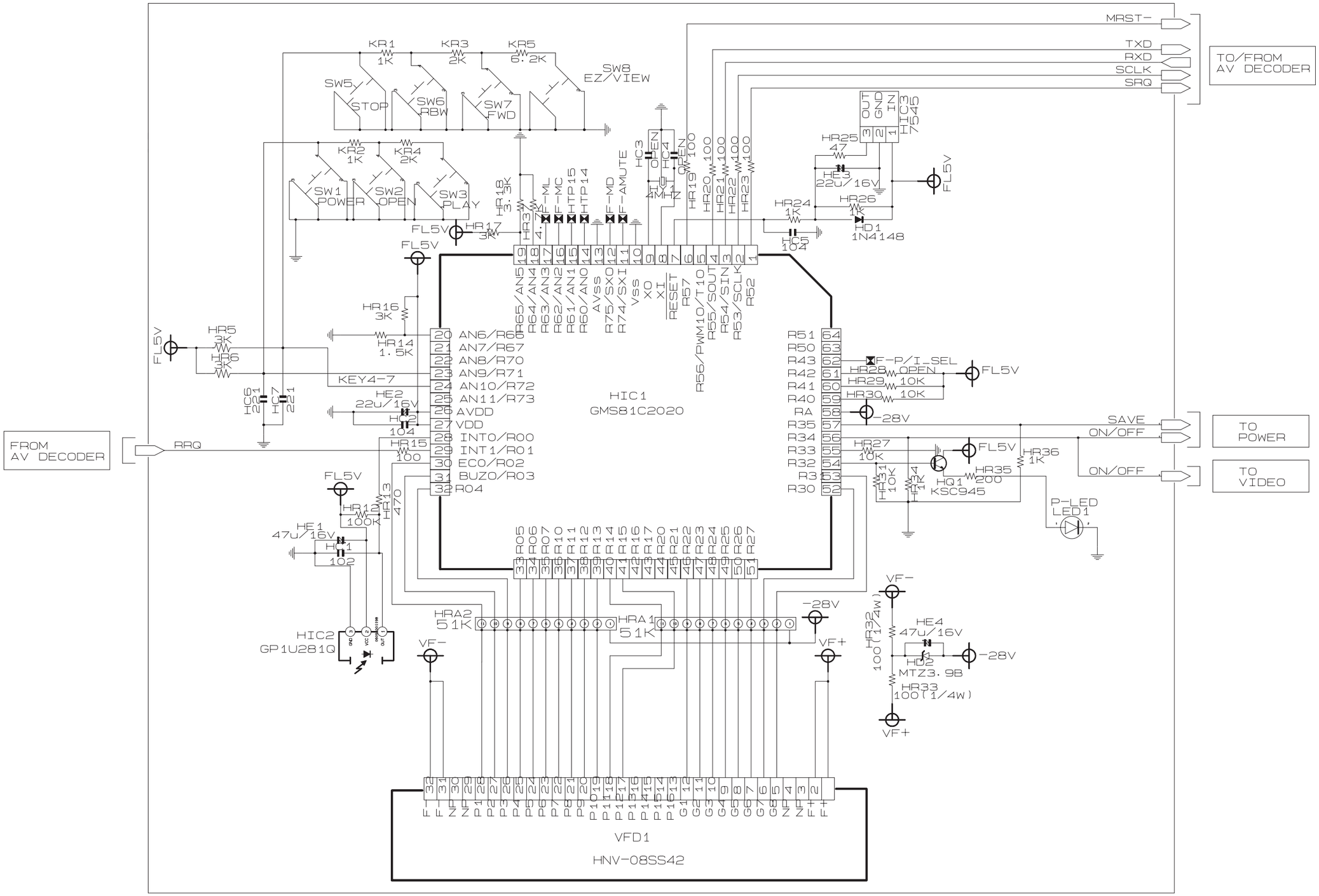
6-4 Video


TO/FROM AV DECODER
CVBS/C
CVBS/G/Y
P/I_SEL
C/B/U
Y/R/V
S-CON
FROM AUDIO
AUDIOR
AUDIOL
FROM FRONT MICOM
ON/OFF
FROM AV DECODER
WIDE
DVDRGBCTL
VIC1 LA73054
VIC2 MM1503
SCIC2 MM1508
SCIC3 MM1501
VQ4 KSC1623
SCQ1 KSR1103
SCQ2 KSR1103
SCQ3 KSA733
SCQ4 KSR1103
SCQ5 KSA733
SCJ1 SCART
AVJ1
AVJ2
VAL5V
12VCC
GNDA
AGND

6-5 Audio


TO/FROM AV DECODER
IEC958
DOIC1 74HCU04
DOL2 TU20MT
DOL1 TU20MT
AVJ1
DOIC2
VIN
VCC
GND
DOE1 1u/50V
DOR3 220
AS12S
AUDIOL
TO VIDEO
AIC5 BA4560
ASE71 22U/16V
TO/FROM AV DECODER
MD
MC
ML
XCK
BCK
ADAT3
LRCK
BMR*
AIC2 PCM1742KE
AU3V
AL1 10uH
D3.3VCC
A5V
AE11 22U/16V
AR41 8.2K
AR43 15K
AC21 121
AC22 104
AR42 1K
AIC4 BA4560
AR45 47K
AE3 22U/16V
AR15 220
AR16 220
AR14 10K
AVJ1
AQ1 KSR1103
AQ2 KSR2103
AD1 DAN202K
AR19 10K
AQ3 KSC1623
AR17 1K
AQ5 KSR2103
AD2 DAN202K
AR20 10K
AQ4 KSR1103
AR31 1K
AQ6 KSC1623
AR48 15K
AC25 121
AE13 22U/16V
AR46 8.2K
AR47 1K
AE5 22U/16V
AR29 220
AR30 220
MRO
AVJ1
AR49 47K
AE14 220U/6V
AC27 104
AC26 122
AR28 10K
AC17 OPEN
AS598 47K
AS576 220
AS572 22U/16V
AS597 47K
AS571 OPEN
AUDIOR
TO VIDEO
12V
AD4 DAN217K
AQ8 KSR2103
AR54 150K
AQ7 KSR1103
AR51 1K
AD3 DAN202K
TO/FROM AV DECODER
AMUTE
AE16 100U/16V
AR55 470
AQ9 KSA812
AR52 1K
AE15 10U/16V
GNDA

6-6 Front-Micom



MEMO